



Good afternoon, Harriet.

Please find below and attached a response to all of the matters contained in Ergon's Information Request dated 14th November, 2025.

Thanks for your letter seeking clarification of any potential EME Hazards associated with the proposed telecommunications facility and Ergon's Infrastructure.

Antenna heights on the proposed 60m Guyed mast are:

- 58.6m for 4G/5G antennas
- 20m for microwave link antenna.

Due to the heights of the proposed antennas, there will be a significant separation between Occupational and Non-Occupational RF hazard zones and the proposed Ergon infrastructure.

Occupational and Non-Occupational RF hazard zones will not impede access for maintenance (emergency and planned) on Ergon's LV line and therefore no signage is proposed to be installed on Ergon infrastructure.

Please see attached an EME report which was submitted with the development application and formed part of the referral to Ergon. The EME Report was prepared in accordance with the ARPANSA Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz (RPS S-1).

Regards



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Electromagnetic energy report

Location	2504 NIAGARA RD, Boyneside QLD 4610		
Date	07/08/2025	RFNSA No.	4610023

This report contains **calculated** electromagnetic energy (EME) exposure levels from the wireless technology base station listed above.

EME levels for this site have been **calculated** as a percentage of the limit given by the [Australian Safety Standard](#). This report is produced according to a technical [methodology](#) developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

EME levels below 100% comply with the Australian Safety Standard and are safe for the public.

Service operators and technology at the site

Telstra				
4G, 5G				

For more information on the infrastructure at this site, such as specific wireless technologies, visit <http://www.rfnsa.com.au/4610023>.

Calculated EME levels

Areas of interest	Maximum EME level (% of limit)	Safe level (<100%)
Environmental EME Level (1.5m above ground out to 500m from site)	0.28%	YES
No locations identified		

About electromagnetic energy

Many things in our everyday lives produce electromagnetic energy including natural sources like the sun, and artificial sources like broadcast media, electric power, microwave ovens, and wireless technology like Wi-Fi and mobile phones.

The EME that you are exposed to from mobile phone towers is low, and similar to your exposure from broadcast transmissions such as radio and TV.

It is the [assessment of ARPANSA](#) that there is no credible health risk from exposure to the low-level EME associated with telecommunications and wireless technology below the limits set in the Australian Safety Standard.

Further information

ARPANSA (The Australian Radiation Protection and Nuclear Safety Agency) www.arpansa.gov.au

ACMA (The Australian Communications and Media Authority) www.acma.gov.au/eme-5g-and-you#eme